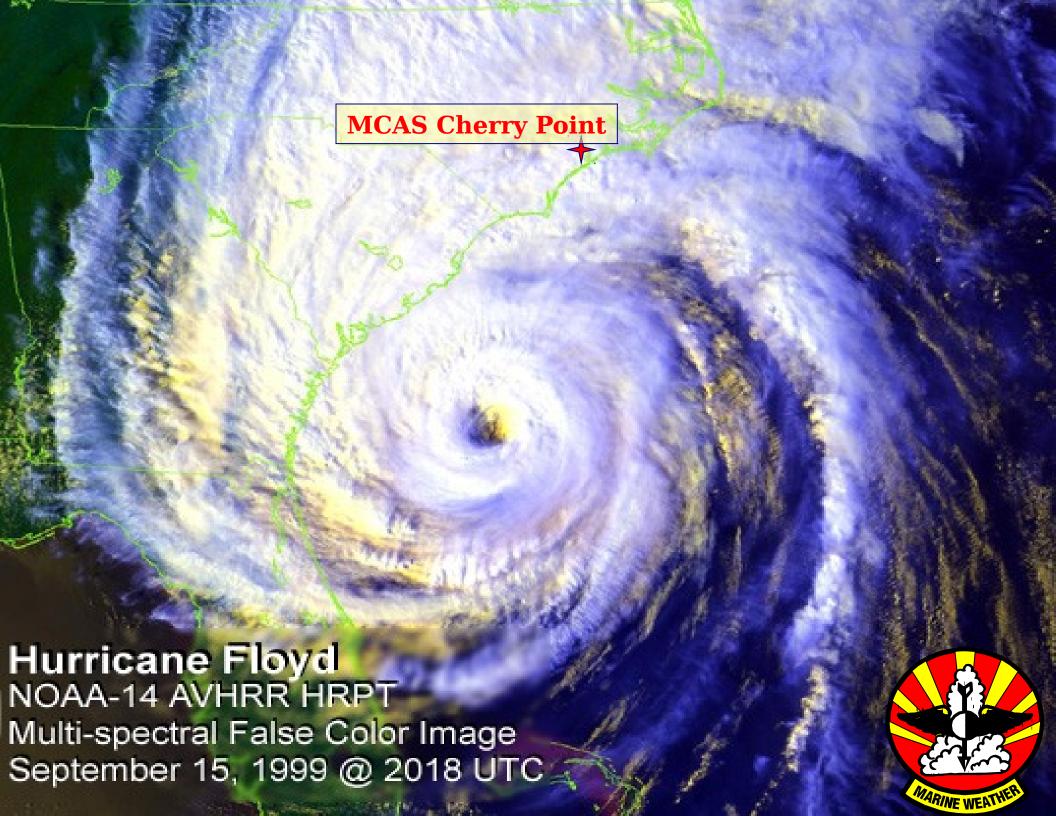
HURRICANE AWARENESS



2002 MCAS CHERRY POINT WEATHER 466-2523





HURRICANE SEASON



- ATLANTIC
- 01 JUNE 30 NOVEMBER
- PEAK MONTHS ARE AUGUST AND SEPTEMBER
- CAN OCCUR ANY MONTH



TROPICAL CYCLONE CLASSIFICATIONS

- MARINE WEATHER
- TROPICAL DISTURBANCE
- TROPICAL DEPRESSION
- TROPICAL STORM
- HURRICANE / TYPHOON
- SUPER HURRICANE



TROPICAL DISTURBANCE

- AREA OF CIRCULATION IN THE TROPICS
 THAT MAINTAINS ITS IDENTITY FOR 24 HOURS OR MORE
- ORGANIZED CONVECTION







- ORGANIZED TROPICAL SYSTEM WITH SUSTAINED WINDS 33 KNOTS OR LESS (38 MPH)
- CLOSED CIRCULATION
- ASSIGNED A NUMBER (I.E., 01L)



TROPICAL STORM

- SUSTAINED WINDS OF 34 TO 63 KTS (39 - 73 MPH)
- CIRCULATION BECOMES MORE APPARENT
- ASSIGNED A NAME (I.E., FLOYD)





HURRICANE

- SUSTAINED WINDS OF 64 KTS OR GREATER (74 MPH)
- WELL-DEFINED
- EYE MAY FORM
- SUPER HURRICANE SUSTAINED WINDS OF 130 KNOTS OR GREATER (150 MPH)



The Five Categories of a Hurricane



Category One



- Sustained Winds 64 82 kts (74-95mph)
- Storm Surge of 4 5 ft above normal
- Coastal flooding and minor pier damage
- Minor damage to shrubs and trees
- Minor damage contained to poorly constructed structures (to include mobile homes)

Category Two

- •Sustained Winds **83 95 kts** (**96 110 mph**)
- •Storm Surge of 6 8 ft above normal
- Coastal and low-lying escape cut by rising water
- **2 4 hours** before arrival of Hurricane center
- **Considerable** damage to poorly constructed buildings and signs (to include mobile homes and piers)
- Considerable damage to shrubs and trees

Category Three

- Major Hurricane status
- Sustained Winds **96 113 kts** (**111 130 mph**)
- •Storm Surge of 9 12 ft above normal
- •Minor damage to small residences and utility buildings
- Coastal flooding destroys small structures
- •Floating debris damages larger coastal structures
- •Low lying escape routes cut by rising water 3 -5 hours before arrival of the Hurricane center.
- Poorly constructed buildings and signs destroyed

(to include mobile homes)

Damage to shrubbery and trees - large trees

Category Four

- •Sustained Winds 114 135 kts (131 155 h
- •Storm Surge of 13 18 ft above normal
- Some complete roof failures on small residences
- •Shrubs, trees, and all signs are blown down
- •Poorly constructed buildings are **destroyed** (to include mobile

homes)

- Extensive damage to doors and windows
- Major damage to lower floors of coastal structures
- •Low lying escape routes cut off by rising water 3
- **5 hours** before
- arrival of the center of the Hurricane.

inland 6 miles (requiring massive event)

Terrain lower than 10 ft above MSL may be to ded

Category Five

- •Sustained Winds greater than 135 kts (155 mg
- Storm Surge greater than 18 ft above normal
- •Complete roof failure on many residences and industrial buildings
- •Some complete building failures with small utility buildings blown
 - over or away
- •All shrubs, trees, and signs blown down
- Poorly constructed buildings completely **destroyed** (to include mobile homes)
- Low lying escape routes cut off by rising water 3
 hours before arrival of center of the Hurricane
- Major damage to lower floors of all structures less

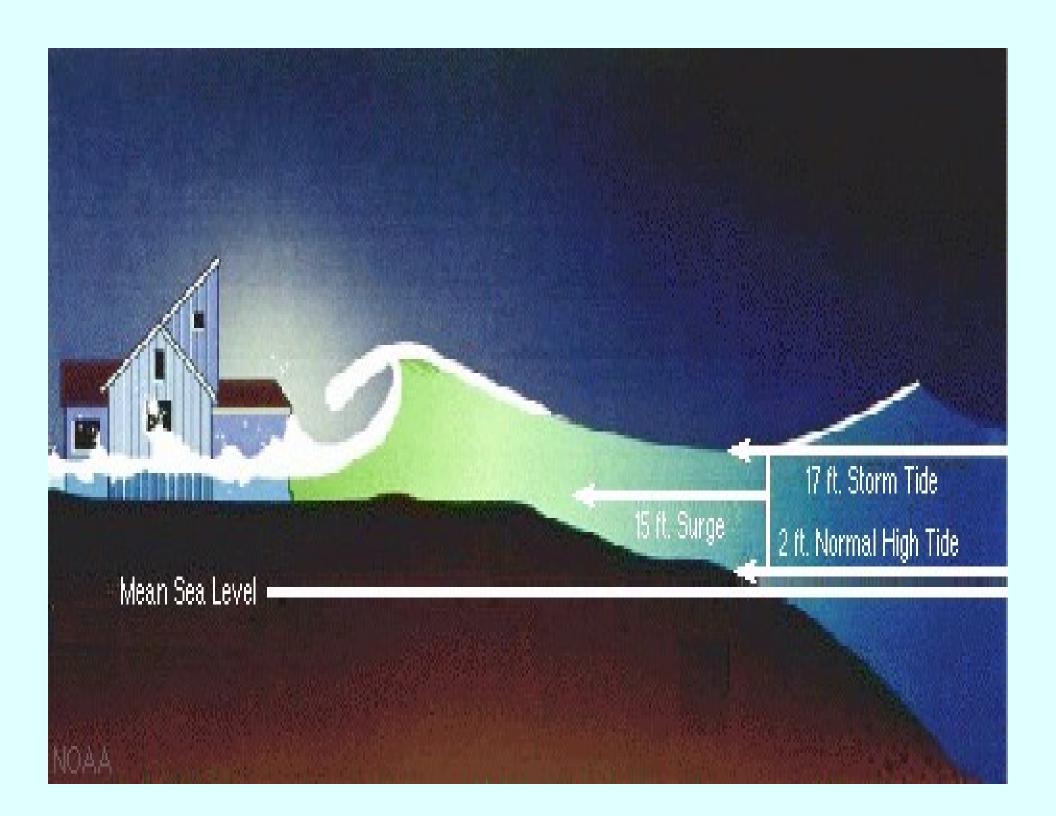
than

HURRICANE HAZARDS



- STORM SURGE
- HIGH WINDS
- DAMAGING SURF
- FLOODING
- LAND AND MUD SLIDES
- TORNADOES









CONDITIONS OF READINES (COR)

- MARINE WEATHER
- COR V ONSET of Hurricane Season
- COR IV POSSIBLE Destructive Winds
 W/I 72 Hrs
- COR III POSSIBLE Destructive Winds W/I 48 Hrs
- COR II Destructive Winds ANTICIPATED W/I 24 Hrs
- COR I Destructive Winds



ANTICIPATED W/I 12 Hr

CONDITIONS OF READINES (COR) Cont.

- COR I (Caution) Destructive Winds ARE FORECAST to affect the Cherry Point Area W/I 6 Hrs
- COR I (Emergency) Destructive Winds <u>ARE OCCURRING</u> in the Cherry Point Area
- COR I (Recovery) Destructive Weather System <u>HAS PASSED</u>, Safety and Storm Hazards Rema

NWS WARNINGS

- HURRICANE WATCH POSSIBLE THREAT TO SPECIFIED COASTAL AREA W/I 36 HOURS
- HURRICANE WARNING HURRICANE FORCE WINDS EXPECTED IN A SPECIFIED AREA W/I 24 HOURS OR LESS
- FLASH FLOOD WATCH FLASH FLOOD IS POSSIBLE
- FLASH FLOOD WARNING FLASH
 FLOOD
 IS INMAINENT OR OCCURRING

REFERENCES

- OPNAVINST 3140.24E (Warnings and COR Concerning Hazardous or Destructive Weather Phenomena)
 - ESTABLISHES COR FOR NAVY AND USMC
 - PROVIDES INFORMATION CONCERNING DESTRUCTIVE WEATHER
- AirStaO 3140.2L (Destructive Weather Manual)
- WgO 3140.1 (2nd MAW Aircraft
 Evac)

RESPONSIBILITIES

- NATIONAL HURRICANE CENTER (NHC) / TROPICAL PREDICTION CENTER (PDC)
 - Issues Tropical Cyclone
 Forecasts/Advisories every 6 Hours (0300, 0900, 1500, 2100 Zulu)
 - Issues Tropical Cyclone Discussions
 - Issues Tropical Cyclone Public Advisories

RESPONSIBILITIES CONT.

- LOCAL NWS OFFICE
 - Issues Hurricane Local Statements (HLS)
 - Identifies areas, storm info, impacts and precautionary/preparedness actions
 - Issues Special Weather Statements (SPS)
 - Issues Tornado, Severe Thunderstorm and Flash Flood Warnings
- NAVAL ATLANTIC METOC CENTER (NAVLANTMETOCCEN) NORFOLK

RESPONSIBILITIES CONT.



- CG, MCAS CHERRY POINT
 - Evaluates, sets and coordinates conditions of readiness (COR) for MCAS Cherry Point Area
 - Authority exercised through the EOC
- MCAS WXO
 - Advises CG, MCAS, DIROPS and MCAS
 Destructive Weather Officer
 - Recommends Storm COR to Co

RESPONSIBILITIES CONT.



- JOINT DESTRUCTIVE WEATHER COORDINATION STAFF
 - Dir Ops is OIC
 - Assembles upon setting COR IV
- EMERGENCY OPERATIONS CENTER (EOC)
 - Activated by CG, MCAS upon setting COR III
 - Dir Ops is OIC
 - EOC staff comprised of MCAS and 2d MAW, reps
 - Located in Bldg. #299 (adjacent to CG Bldg)
 198)
 - Coordinates all requests for support



- COR IV (72 HOURS)
 - Review destructive weather plans
 - Inspect area and buildings
 - Prepare to issue foul weather gear, generators, potable water
 - Submit list of Aircraft Bureau numbers to
 2D MAW and Facilities



- COR III (48 HOURS)
 - EOC activated
 - Prepare to set-up emergency shelters
 - Complete emergency repair to buildings
 - Report MRE requirements to supply
 - Coordinate Set-up and Op Check of Comm Equipment
 - Issue Foul Weather Gear
 - Review Plans
 - Personnel and equipment on stand by
 - Report attainment of COR III to FOC



- COR II (24 HOURS)
 - Remove signs, debris and portable equipment
 - Establish Damage Control Party at Cherry Tree House
 - Detailed Inspection of all areas
 - Tie down and cover remaining equipment
 - Position and check emergency generators
 - Prepare hangars for maximum hangering of aircraft and equipmen
 - Secure all field training



- COR I (12 HOURS)
 - Secure non-essential personnel to quarters
 - Continue to provide meals at chow hall
 - Complete general security measures
 - Closure of activities, facilities and services
 - Gate traffic may be limited (Slocum)
 - Report attainment of COR I to EOC



- COR I CAUTION (6 HOURS)
 - Close Air Station to all incoming traffic except essential personnel
 - Secure liberty
 - Restrict non-essential personnel to barracks, quarters and shelters
 - Maintain essential communications



- MARINE WEATHER
- COR I EMERGENCY (OCCURRING)
 - Secure all but essential operations
 - Cease vehicular traffic
 - Emergency and tactical vehicle ops coordinated by EOC



- COR I RECOVERY (System has passed, <u>HAZARDS</u> <u>REMAIN</u>)
 - Support EOC in recovery efforts
 - Conduct casualty and damage assessments
 - Provide reports as required
 - Continue to restrict non-essential personnel

EMERGENCY SHELTERS

MCAS CHERRY POINT

- **CHERRY TREE HOUSE** (Hancock Housing, Fort Macon, Staff Capehart, Officer Housing, Trailer Park)
- MARINE DOME (Over Flow for Cherry Tree House)

HAVELOCK

- HAVELOCK SENIOR HIGH SCHOOL (Civilian community emergency shelter)
- AUTHUR EDWARDS ELEM SCHOOL (Slocum Village, civilians)
- HAVELOCK MIDDLE SCHOOL (Civilian)





- NOTIFY AND ASSIST FAMILY,
 FRIENDS AND NEIGHBORS
- ARRANGE FOR TRANSPORTATION
 - Car (fill with gas)
 - Ride with neighbors
- BRIEF FAMILY ON EMERGENCY PLAN
 - Destination
 - EVAC Routes
 - Rendezvous Point, If Separated





- ASSEMBLE VALUABLES
 - Important papers, jewelry, etc.
 - Store on secure shelves or upper floors
 - Determine care of pets (Not allowed in shelters)
- SECURE AND STORE LOOSE ITEMS
 - Outside and inside
- LOCATE UTILITY SHUT-OFFS
 - Electric/gas





- STORE DRINKING WATER
 - Containers, Bathtub, Washing Machine
- BOARD UP OR TAPE WINDOWS
- MOOR SMALL BOATS OR MOVE TO SAFE AREA
- USE TELEPHONE ONLY FOR EMERGENCIES
- MONITOR RADIO AND TV FOR INSTRUCTIONS



- PORTABLE RADIO
- FLASHLIGHTS
- EXTRA BATTERIES
- FIRST AID KIT
- NON-PERISHABLE FOOD (5 DAYS)
- NON-ELECTRIC CAN OPENER
- CONTAINERS OF WATER
- SLEEPING BAGS / BLANKETS / AIR MATTRESSES





- SPECIAL MEDICATIONS / DIETS
- CHANGE OF CLOTHES
- PERSONAL HYGIENE / SANITARY SUPPLIES
- TOILET ARTICLES / DIAPERS



PRIORITIES OF DISASTER PREPAREDNESS



- PRIORITY I PROTECT AND SAVE LIVES
- PRIORITY II PROTECT AND SAVE PROPERTY
- PRIORITY III RESTORE PROPERTY



IMPORTANT PHONE NUMBER

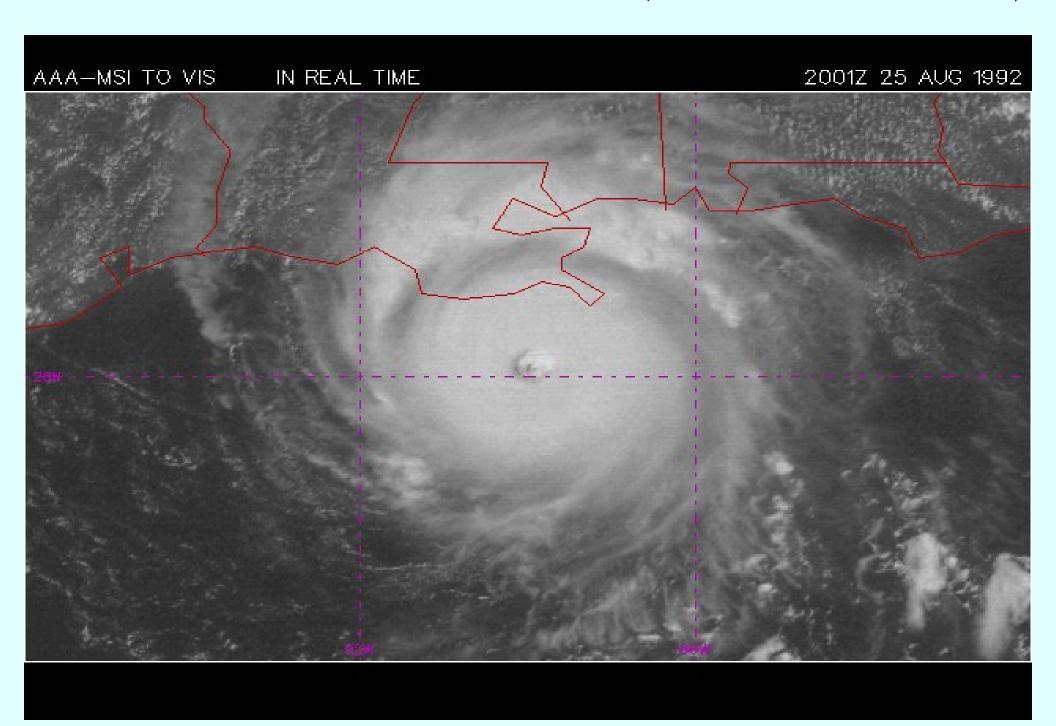
- MCAS MPs: 466-3615/3616
- MCAS FIRE DEPT: 466-3337
- EMERGENCY POLICE, FIRE, AMBULANCE: 911
- MCAS CDO: 466-5236
- MCAS WEATHER: 466-2523
- NAVAL HOSPITAL: 466-0266
- HAVELOCK PUBLIC SAFETY: 447-1111
- MCAS CHANNEL 6
- CRAVEN DISASTER PREPAREDNESS: 67 4271

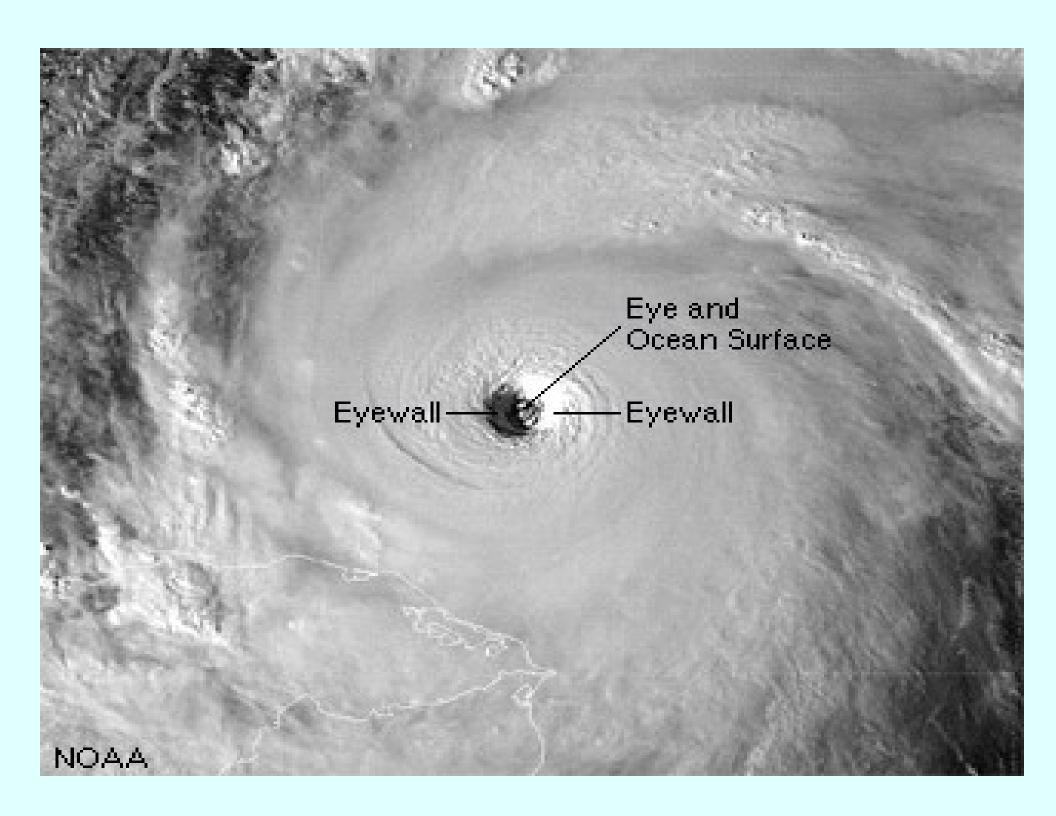


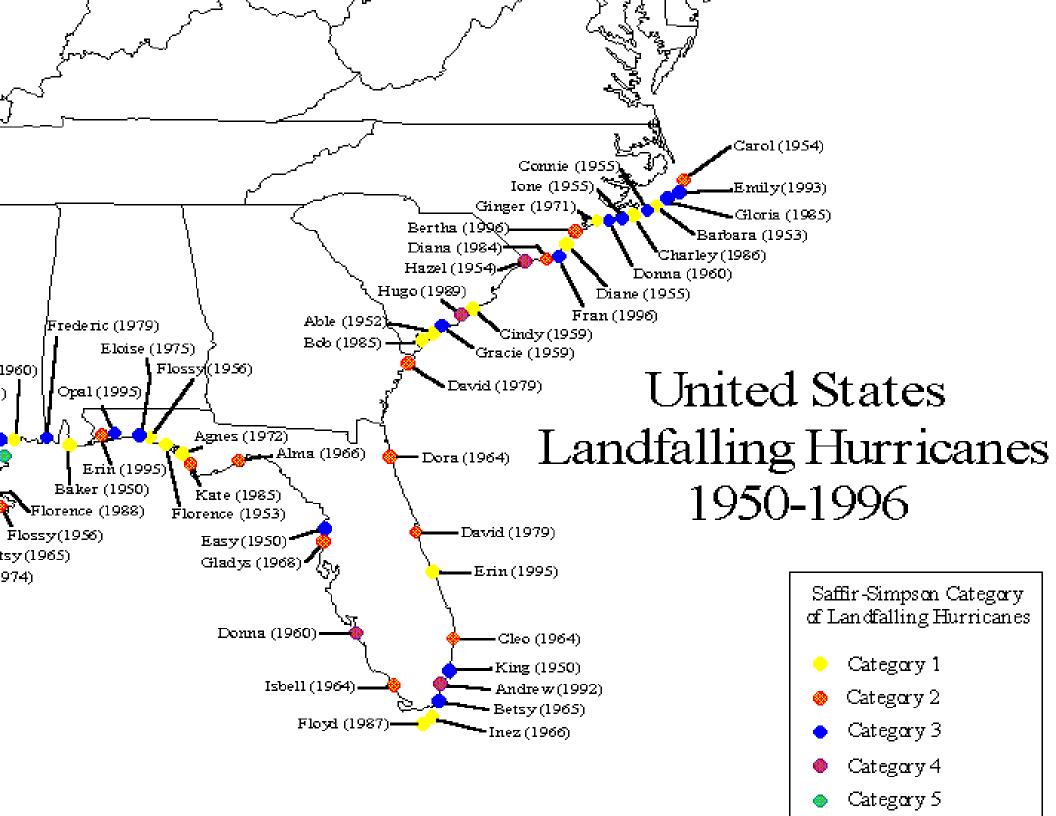
SUPPORTING DOCUMENTS

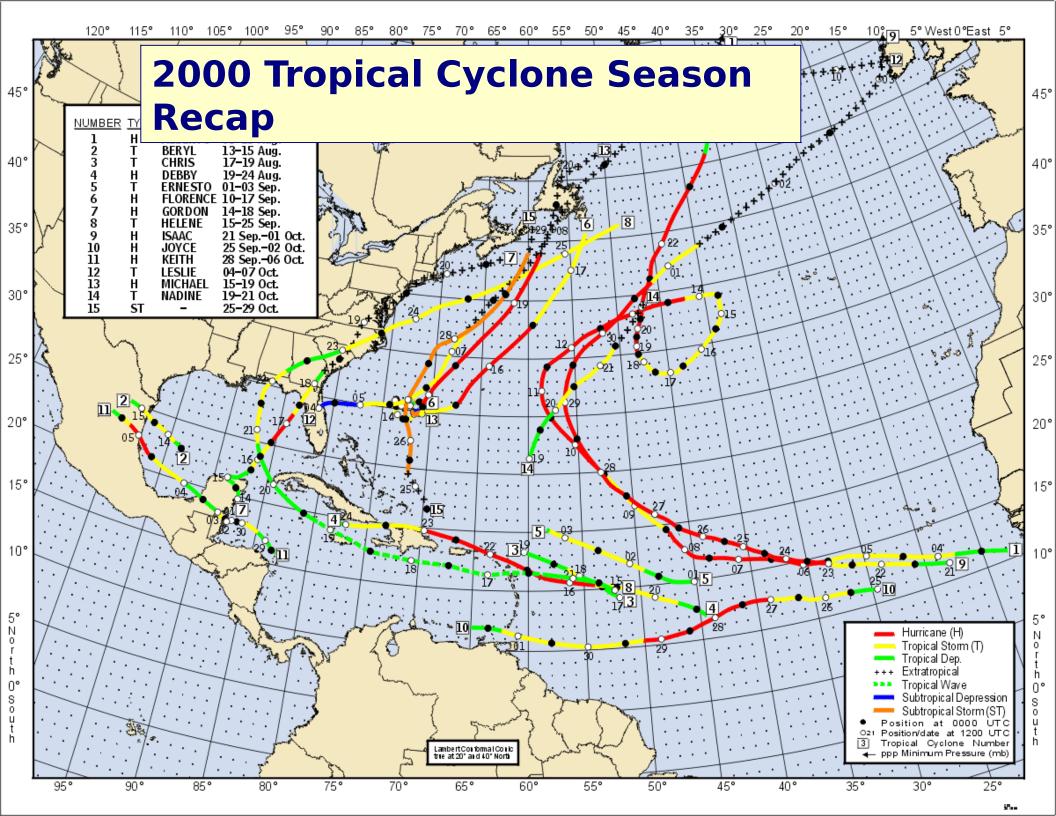


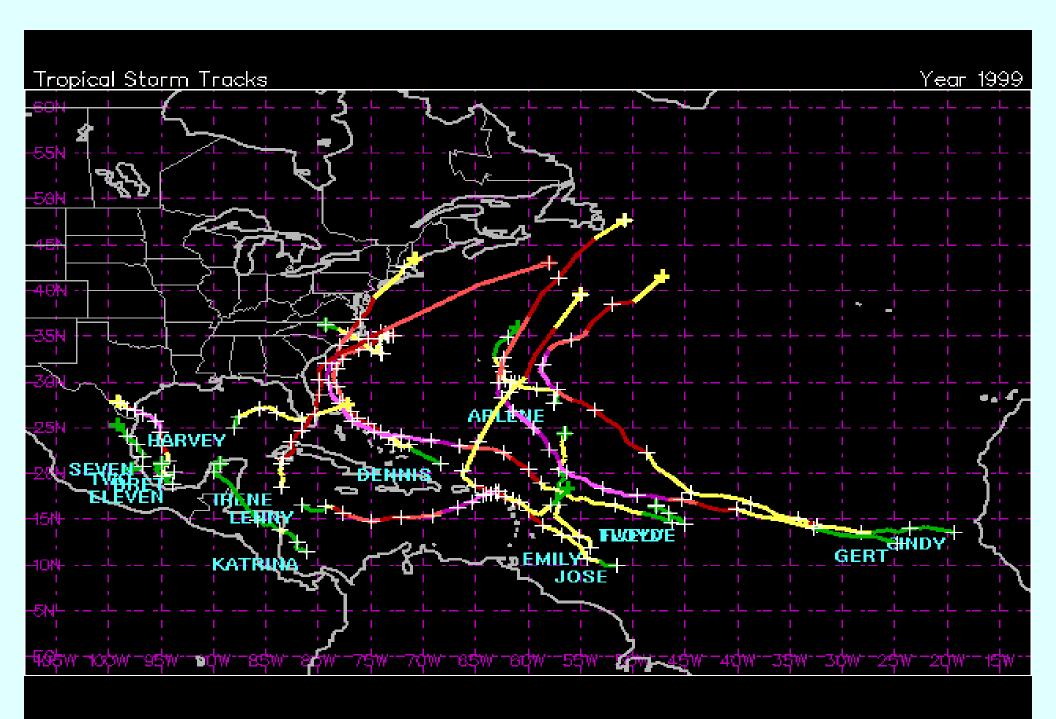
Hurricane ANDREW (16-28 AUG 1992)



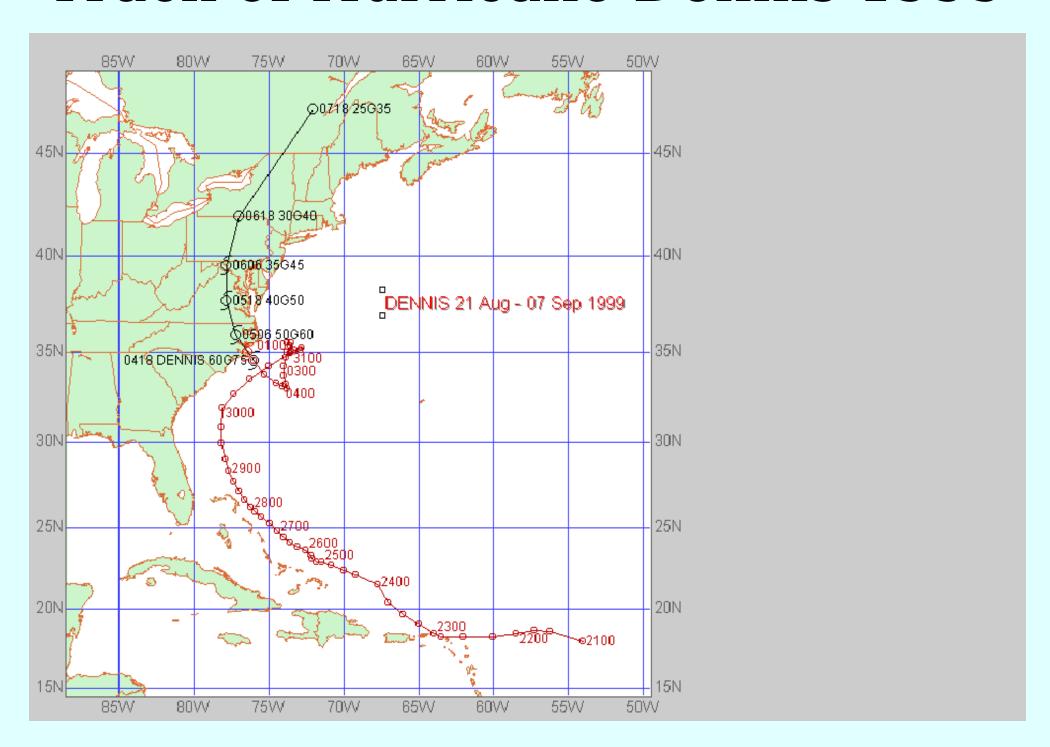


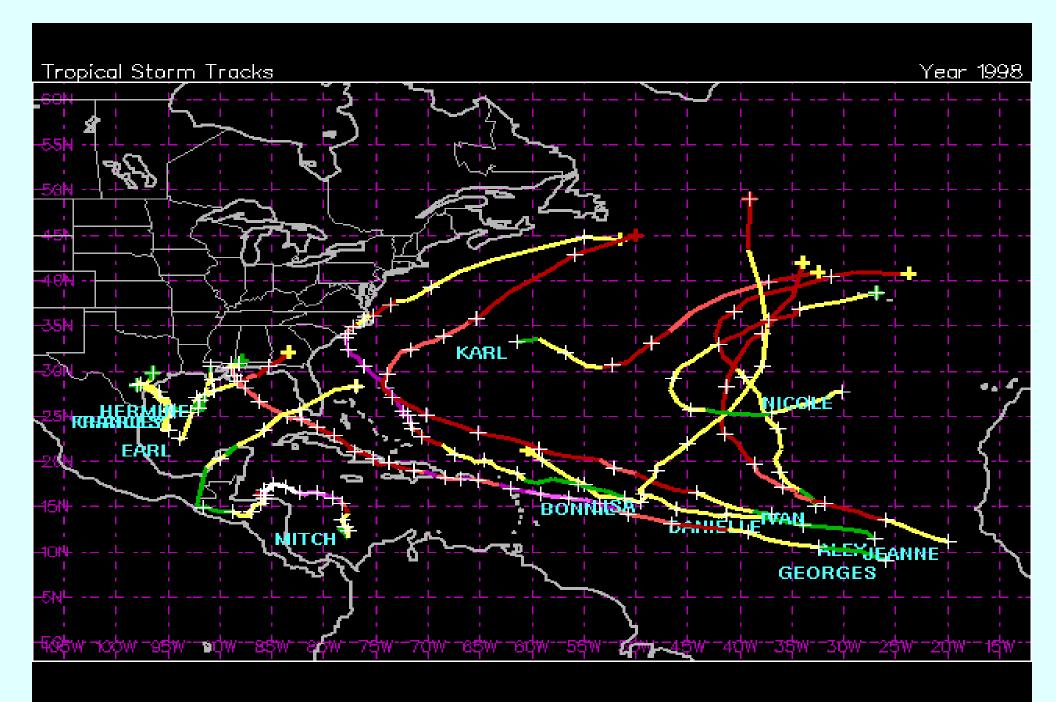


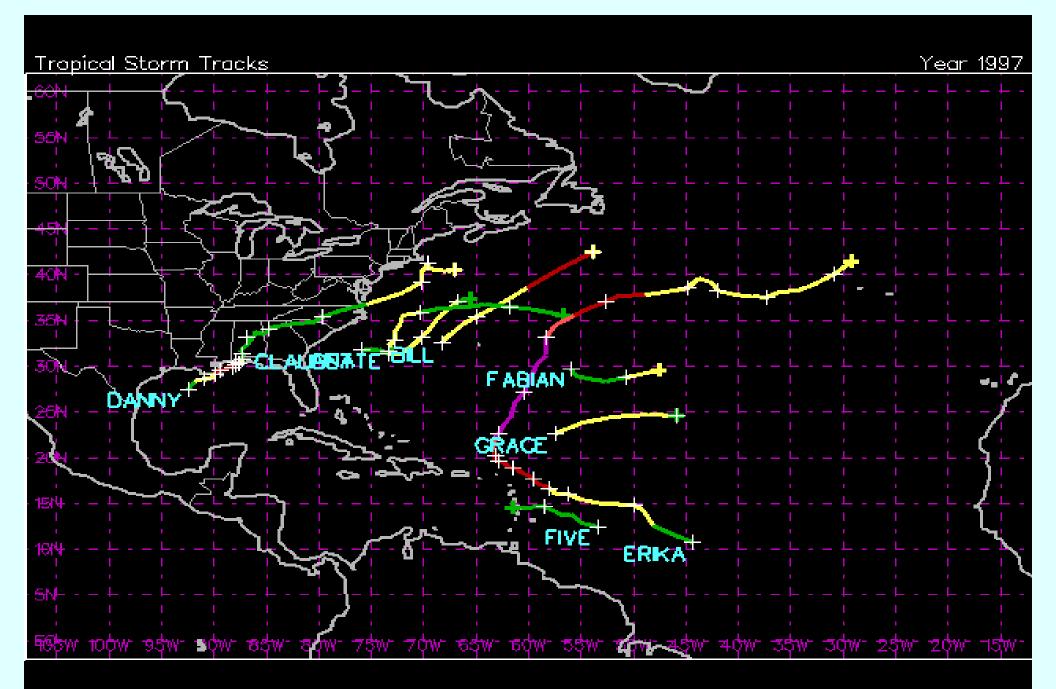


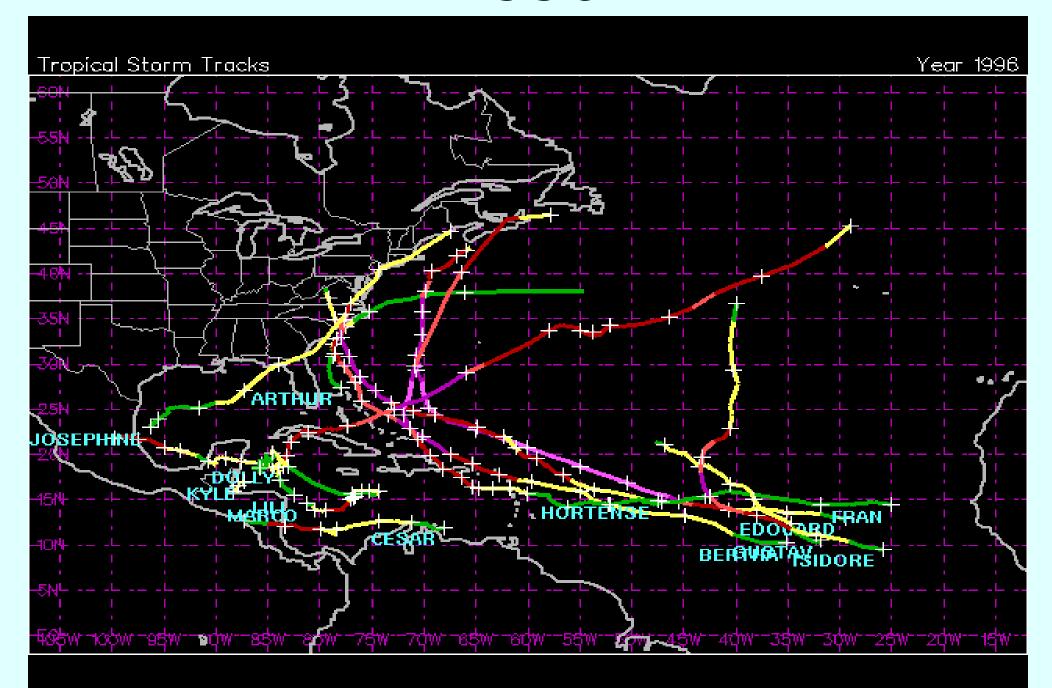


Track of Hurricane Dennis 1999









Year 2002 Storm Names



Arthur

Bertha

Cristobal

Dolly

Edouard

Fay

Gustav

Hanna

Isidore

Josephine

Kyle

Lili

Marco

Nana

Omar

Paloma

Rene

Sally

Teddy

Vicky

Wilfred

